

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number  
**WO 2005/066829 A1**

(51) International Patent Classification<sup>7</sup>: G06F 15/173,  
H04L 12/56, G01R 31/08

(21) International Application Number:  
PCT/IL2004/000781

(22) International Filing Date: 29 August 2004 (29.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/535,507 12 January 2004 (12.01.2004) US

(71) Applicant (for all designated States except US): NATIVE  
NETWORKS TECHNOLOGIES, LTD. [IL/IL]; 2  
Granit St., 49514 Petah Tikva (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ZEITAK, Reuven  
[IL/IL]; Gordon 36, 76287 Rehovot (IL).

(74) Agent: FRIEDMAN, Mark; 7 Jabotinsky St., 52520 Ra-  
mat Gan (IL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

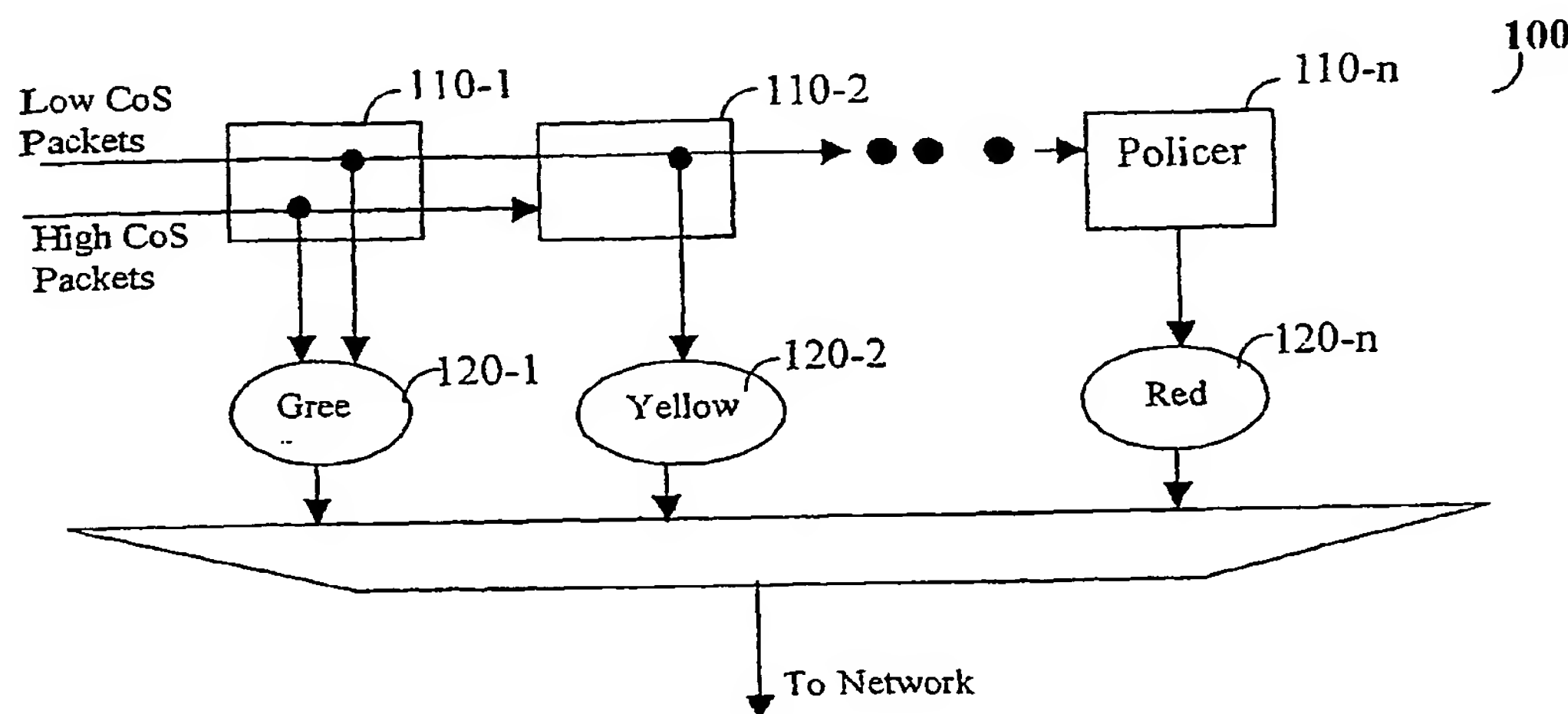
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: A METHOD AND SYSTEMS FOR RESOURCE BUNLDING IN A COMMUNICATIONS NETWORK



(57) Abstract: A method for resource bundling comprises receiving at a network policer (110) a plurality of data flows having different class of service (CoS) priority levels and processing the data flows while sharing a user allocated bandwidth between the different CoS priority levels in a prioritized manner. The method and a system implementing it allow a single user to aggregate multiple CoS, thereby enabling the user to utilize an entire paid-for bandwidth.